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Attorney Docket No. P30559

U.S. Application No. 10/598,248



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shun-Ichi ISHIUCHI

Group Art Unit : Not Yet Assigned

Appl. No. : 10/598,248 (National Stage  
of PCT/JP2005/003157)

Examiner : Not Yet Assigned

I.A. Filed : February 25, 2005

Confirmation No. : 1704

For : SUPERCRITICAL FLUID JET METHOD AND SUPERCRITICAL FLUID  
JET MASS ANALYSIS METHOD AND DEVICE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop AMENDMENT  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §§1.56 and 1.97-1.98, Applicant hereby brings the following information to the attention of the Examiner, which includes information cited and discussed in the specification and the International Search Report, issued in connection with counterpart International Patent Application No. PCT/JP2005/003157. A copy of the International Search Report (in English), was enclosed with the papers when entering the National Stage on August 22, 2006. The Examiner is invited to review these materials to inspect the relevance indicated during international examination with respect to the documents cited therein.

- (1) PANG et al., "Supercritical fluid jet expansions of polar aromatic carboxylic acids using simple derivatization with detection by resonant two-photon ionization," Spectrochimica Acta, Vol. 43B, Nos. 4/5, pages 671 – 677, 1988;

- (2) Japanese Laid-Open Patent Publication No. 2003-329556 A, together with an English language Abstract (from esp@cenet) of the same, and patent family members U.S. Patent Application Publication No. 2003/0168592 A1 and U.S. Patent No. 7,038,217 B2. Applicant notes that the Japanese document is cited beginning at page 6 of the specification of the above-captioned application; and
- (3) Japanese Laid-Open Patent Publication No. HEI 5-333016 A, together with an English language Abstract of the same (from Patent Abstracts of Japan).
- (4) SAKAMOTO et al., "Development of a Supercritical Fluid Extractor Coupled with a Time-of-Flight Mass Spectrometer for Online Detection of Extracts," Analytical Sciences, Vol. 19, pages 853 – 857, June, 2003. Applicant notes that this document is cited beginning at page 4 of the specification of the above-captioned application; and
- (5) ISHIUCHI et al., "Four-color hole burning spectra of phenol/ammonia 1:3 and 1:4 clusters," Journal of Chemical Physics, Vol. 120, No. 7, February 15, 2004. Applicant notes that this document is cited beginning at page 6 of the specification of the above-captioned application.

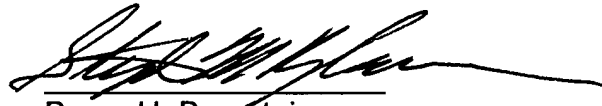
Applicant further submits a copy of a Notification of Transmittal of Copies of Translation of the International Preliminary Report on Patentability (including Forms PCT/IB/338, PCT/IB/373 and PCT/ISA/237) with respect to International Patent Application No. PCT/JP2005/003157, of which the present application is the U.S. National Stage Application. Above-note documents (1) – (3) were cited in the International Preliminary Report on Patentability.

Further to 37 C.F.R. §1.98 (a)(2)(ii), copies of the U.S. patent publications are not enclosed herewith. However, if any copy is needed, the Examiner is respectfully requested to contact the undersigned.

Applicant respectfully requests that the Examiner consider the above material and cite the same. Copies of the above-noted foreign and international documents are attached hereto, and all of the documents are listed on an attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form to Applicant with the next official communication in the present application.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,  
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FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P30559Application No.  
10/598,248INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

Applicant  
Shun-Ichi ISHIUCHIFiling Date  
February 25, 2005Group  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2003	0 1 6 8 5 9 2	09/11/03	YAMADA et al.			
		7 0 3 8 2 1 7	05/02/06	YAMADA et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	2003	- 3 2 9 5 5 6	11/19/03	JAPAN			
	5	- 3 3 3 0 1 6	12/17/93	JAPAN			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	PANG et al., "Supercritical fluid jet expansions of polar aromatic carboxylic acids using simple derivatization with detection by resonant two-photon ionization," Spectrochimica Acta, Vol. 43B, Nos. 4/5, pages 671 – 677, 1988.
	2	SAKAMOTO et al., "Development of a Supercritical Fluid Extractor Coupled with a Time-of-Flight Mass Spectrometer for Online Detection of Extracts," Analytical Sciences, Vol. 19, pages 853 – 857, June, 2003.
	3	English Language Abstract of JP 2003-329556.
	4	ISHIUCHI et al., "Four-color hole burning spectra of phenol/ammonia 1:3 and 1:4 clusters," Journal of Chemical Physics, Vol. 120, No. 7, February 15, 2004.
	5	English Language Abstract of JP 5-333016.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered; whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.